



## County of San Diego, Planning & Development Services

# **PATIO COVERS AND CARPORTS**

### **BUILDING DIVISION**

*(\*This standard plan complies with fire-resistive construction requirements for wildland-urban interface areas.)*

### **PATIO COVER REQUIREMENTS:**

- A. Patio covers are one story structures not exceeding 12 feet in height.
- B. Patio covers shall be used for recreational, outdoor living purposes and not as carports, garages, storage rooms or habitable rooms.
- C. Openings shall be permitted to be enclosed with insect screening.
- D. Enclosure walls shall be permitted to be any configuration, provided the open area of the longer wall and one additional wall is equal to at least 65% of the area below a minimum of 6'-8" of each wall, measured from the floor.
- E. Exterior openings required for light and ventilation shall be permitted to open into a patio structure. However, the patio structure shall be completely unenclosed if such openings are serving as emergency egress or rescue openings from sleeping rooms.
- F. Where the patio cover is connected to an existing building there shall be no window, door, or other openings under the patio cover that are greater than 6 feet wide.
- G. The California Building Code requires that the minimum distance from property line to the proposed patio cover shall be 5 feet. Please see the Zoning Ordinance for zoning requirements.

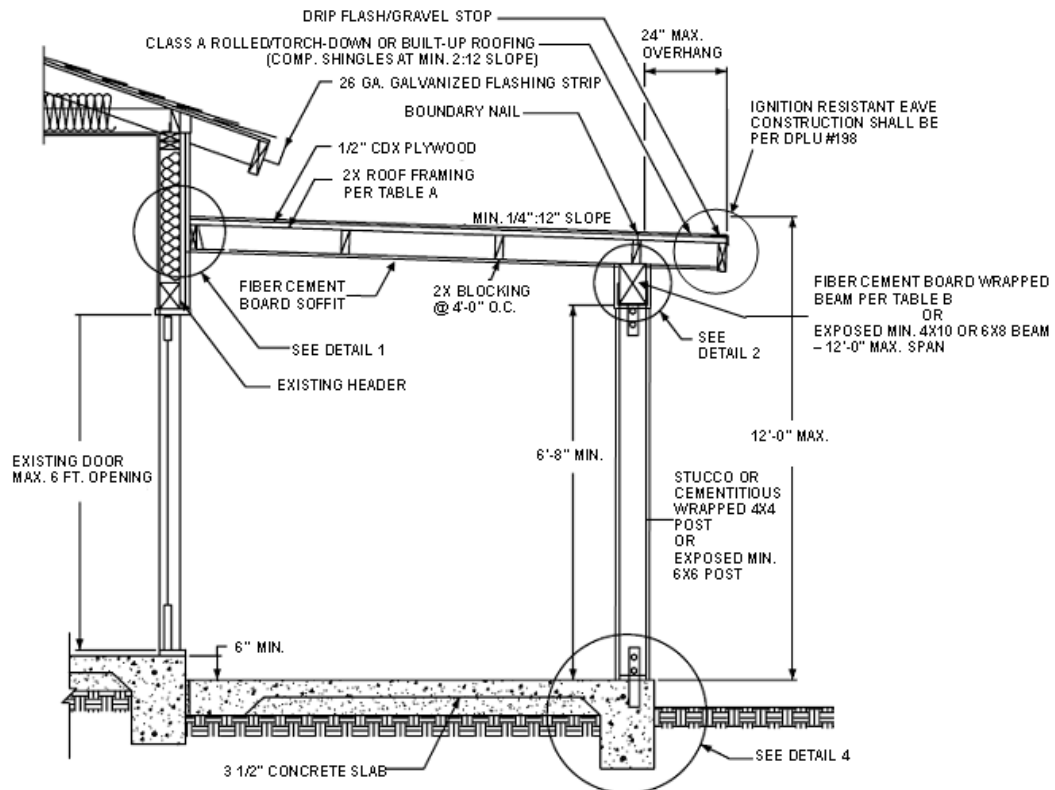
### **CARPORT REQUIREMENTS:**

- A. Carports shall be entirely open on two or more sides.
- B. Where the carport is connected to an existing building there shall be no window, door, or other openings under the carport that are greater than 6 feet wide.
- C. Minimum distance from property line to proposed carport shall be 5 feet.

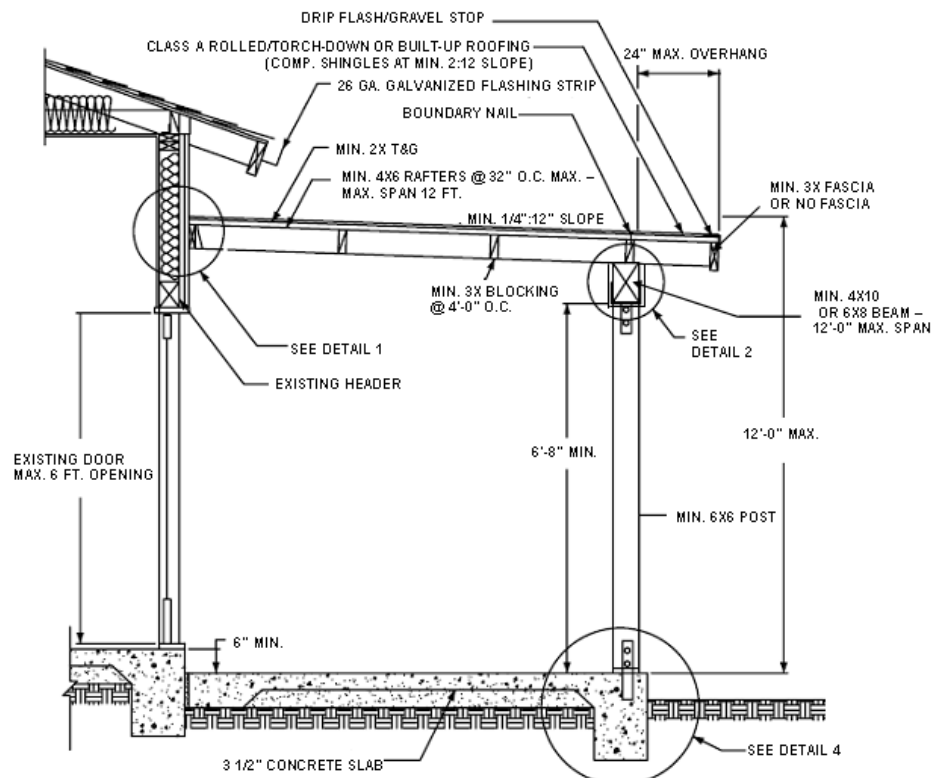
### **GENERAL REQUIREMENTS:**

- A. No modification shall be made to these plans unless approval is obtained.
- B. The use of this standard plan is limited to residential occupancies and accessory structures.
- C. This plan must be accompanied by a plot plan prepared in compliance with Plot Plan Minimum Requirements (PDS 090).
- D. All work shall comply with the 2007 California Building Code as amended and adopted by the County of San Diego.
- E. Minimum Construction Specifications (PDS 081) shall be used in conjunction with this plan.
- F. Outdoor lighting shall comply with the County of San Diego Outdoor Lighting Ordinance.
- G. Outdoor lighting fixtures shall be high-efficacy luminaires or a photo-control/motion-sensor combination.
- H. Framing members shall be Douglas Fir-Larch #2 or better.
- I. Fasteners for preservative treated wood shall be of hot dipped zinc-coated galvanized steel, stainless steel, silicon bronze, or copper.
- J. The horizontal distance from the bottom leading edge of footings to daylight shall be 7'-0" minimum.
- K. Concrete mix for footings shall have a minimum compressive strength of  $f'_c = 2,500$  psi.

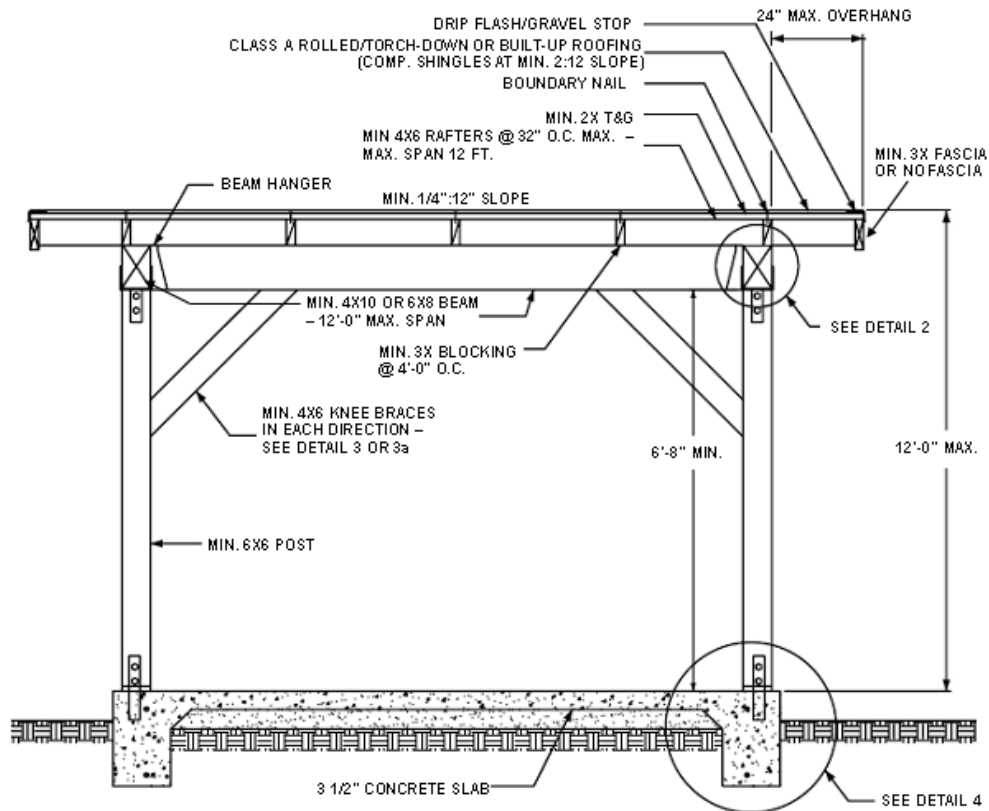
## **(A) ATTACHED PATIO COVER/CARPORT WITH ENCLOSED SOFFIT**



## **(B) ATTACHED PATIO COVER/CARPORT WITH EXPOSED HEAVY TIMBER FRAMING**



## C DETACHED PATIO COVER/CARPORT WITH EXPOSED HEAVY TIMBER FRAMING



**TABLE A: MINIMUM RAFTER SIZES\***

Rafter Span (Ft.)	Rafter Spacing (center-to-center)		
	12"	16"	24"
6	2x4	2x4	2x4
8	2x4	2x4	2x6
10	2x6	2x6	2x6
12	2x6	2x6	2x8

\*This table shall only be used when framing is protected by fiber cement board. 4x10 beams do not need to be wrapped for protection.

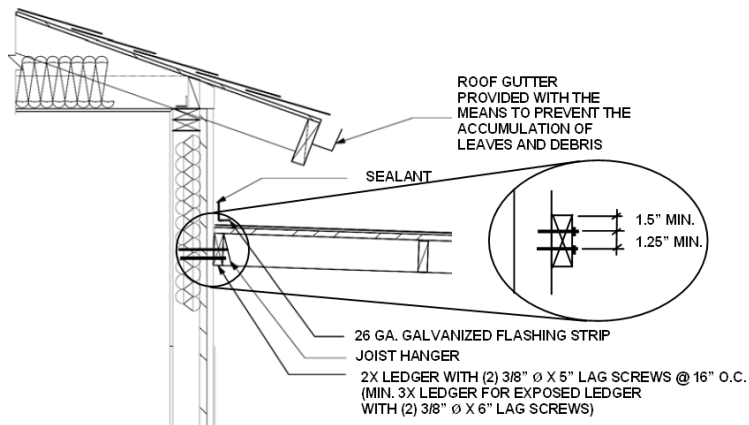
**TABLE B: MINIMUM BEAM SIZES\***

Post Spacing (Ft.)	Rafter Span			
	6 Ft.	8 Ft.	10 Ft.	12 Ft.
4	4x4	4x4	4x4	4x4
6	4x4	4x4	4x6	4x6
8	4x6	4x6	4x6	4x8
10	4x8	4x8	4x8	4x8
12	4x8	4x10	4x10	4x10

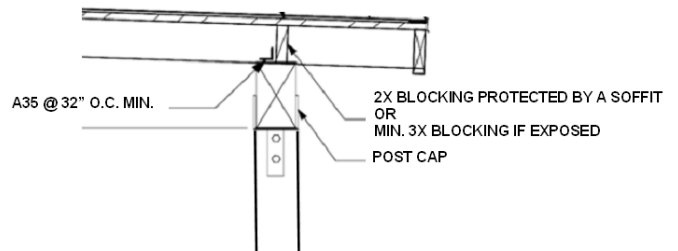
\*This table shall only be used when framing is protected by fiber cement board. 4x10 beams do not need to be wrapped for protection.

**TABLE C: FOOTING WIDTH "W"**

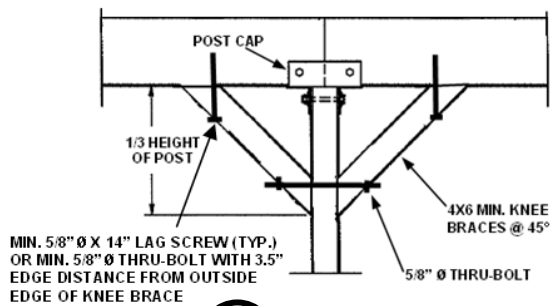
Post Spacing (Ft.)	Rafter Span (Ft.)			
	6	8	10	12
4	12"	12"	12"	12"
6	12"	12"	12"	14"
8	12"	14"	14"	16"
10	14"	16"	16"	18"
12	16"	16"	18"	18"



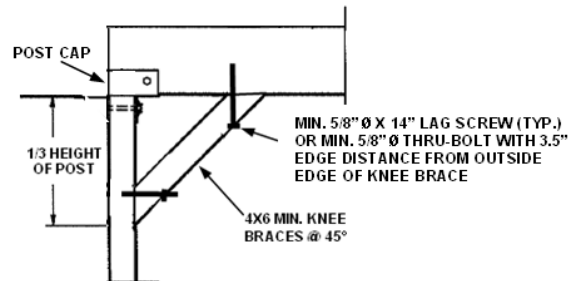
**1 LEDGER AT EXISTING WALL**



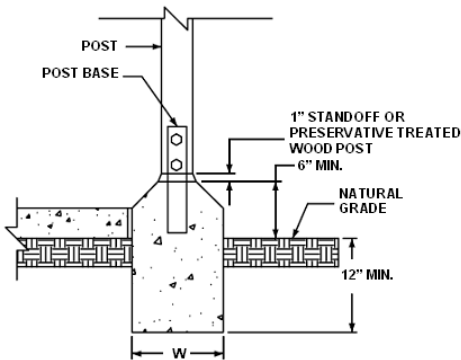
**2 BEAM TO POST CONNECTION**  
PROVIDE BRACING AT ALL POSTS PER DETAILS 3 & 3A



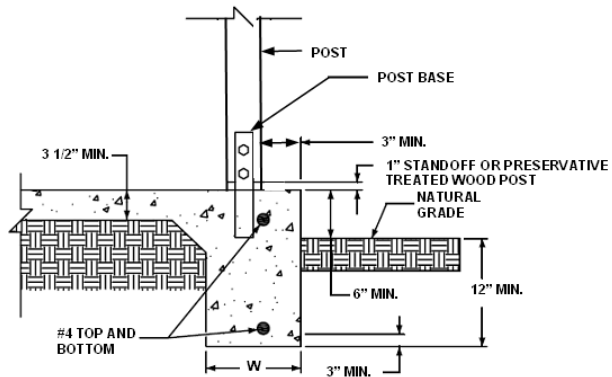
**3 KNEE-BRACE**



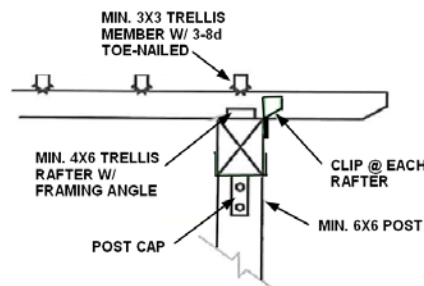
**3A KNEE-BRACE @ CORNER**



**4 PIER FOOTING**  
SQUARE "W"X"W" (SEE TABLE C)



**4A ALTERNATE CONTINUOUS FOOTING**  
(SEE TABLE C)



**5 OPTIONAL TRELLIS DETAIL**  
PROVIDE BRACING AT ALL POSTS PER DETAILS 3 & 3A